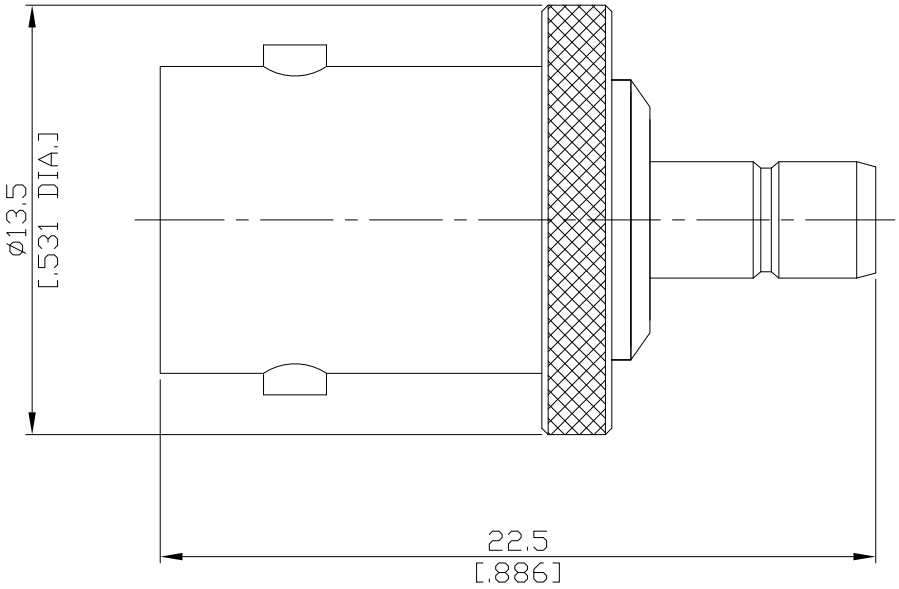
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

BNC jack (female) / SMB jack (female)
Straight adaptor DC- 4GHz VSWR1.35

AD-B2S25A / 94-91



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

BNC according to	IEC 60169-8; MIL-STD-348B/301
SMB according to	IEC 60169-10; MIL-STD-348B/311

Electrical Data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Center contact resistance	≤ 1.5 mΩ, BNC side;	≤ 5 mΩ, SMB
Outer contact resistance	≤ 1 mΩ, BNC side;	≤ 2.5 mΩ, SMB

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Piece Parts (SMB)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	

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Mechanical Data

	BNC side	SMB side
Coupling mechanisms	Bayonet-lock	Snap-lock
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 15 N	≥ 10 N
Coupling test torque	N/A	≤ 63 N
Recommended torque	N/A	8 N min. to 63 N max.

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100

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